

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 101009, 854B
Source: TFW0
Date Processed by STIC: 2-8-06

ENTERED



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/009,854B

DATE: 02/08/2006
TIME: 12:37:03

Input Set : A:\K 2892 Jan06.ST25.txt
Output Set: N:\CRF4\02082006\J009854B.raw

```

3 <110> APPLICANT: KTB Tumorforschung
5 <120> TITLE OF INVENTION: Carrier-drug conjugates
7 <130> FILE REFERENCE: K 2892
9 <140> CURRENT APPLICATION NUMBER: US 10/009,854B
C--> 10 <141> CURRENT FILING DATE: 2001-12-11
12 <150> PRIOR APPLICATION NUMBER: DE 19926475.9
13 <151> PRIOR FILING DATE: 1999-06-10
15 <160> NUMBER OF SEQ ID NOS: 27
17 <170> SOFTWARE: PatentIn version 3.3
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 8
21 <212> TYPE: PRT
22 <213> ORGANISM: Artificial sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Octapeptide which stimulates the cleavage sequence of the
26 collagen chain and is cleaved with particular efficiency by MMP2
27 and MMP9.
29 <400> SEQUENCE: 1
31 Gly Pro Leu Gly Ile Ala Gly Gln
32 1 5
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 8
37 <212> TYPE: PRT
38 <213> ORGANISM: Artificial sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Octapeptide which stimulates the cleavage sequence of the
42 collagen chain and is cleaved with particular efficiency by MMP2
43 and MMP9.
45 <400> SEQUENCE: 2
47 Gly Pro Gln Gly Ile Trp Gly Gln
48 1 5
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 4
53 <212> TYPE: PRT
54 <213> ORGANISM: Artificial sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Peptide cleaved by cathepsin B
59 <400> SEQUENCE: 3
61 Gly Phe Leu Gly
62 1
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 4
67 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/009,854B

DATE: 02/08/2006

TIME: 12:37:03

Input Set : A:\K 2892 Jan06.ST25.txt
Output Set: N:\CRF4\02082006\J009854B.raw

68 <213> ORGANISM: Artificial sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Peptide cleaved by cathepsin B
73 <400> SEQUENCE: 4
75 Gly Phe Ala Leu
76 1
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 4
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Peptide cleaved by cathepsin B
87 <400> SEQUENCE: 5
89 Ala Leu Ala Leu
90 1
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 16
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Peptide containing two cleavage sites for MMP 2 and MMP9.
101 <400> SEQUENCE: 6
103 Gly Pro Leu Gly Ile Ala Gly Gln Gly Pro Leu Gly Ile Ala Gly Gln
104 1 5 10 15
107 <210> SEQ ID NO: 7
108 <211> LENGTH: 12
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Peptide containing several cleavage sites for cathepsin B.
115 <400> SEQUENCE: 7
117 Phe Lys Phe Lys Phe Lys Phe Lys Phe Lys Phe Lys
118 1 5 10
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 6
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
128 cathepsin B.
130 <400> SEQUENCE: 8
132 Gly Gly Phe Lys Phe Lys
133 1 5
136 <210> SEQ ID NO: 9
137 <211> LENGTH: 8
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Octapeptide which is cleaved by MMP9.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/009,854B

DATE: 02/08/2006
TIME: 12:37:04

Input Set : A:\K 2892 Jan06.ST25.txt
Output Set: N:\CRF4\02082006\J009854B.raw

144 <400> SEQUENCE: 9
146 Gln Gly Ala Ile Gly Leu Pro Gly
147 1 5
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 7
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
157 cathepsin B.
159 <400> SEQUENCE: 10
161 Gly Gly Gly Phe Lys Phe Lys
162 1 5
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 8
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
172 cathepsin B.
174 <400> SEQUENCE: 11
176 Gly Gly Gly Phe Lys Phe Lys
177 1 5
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 9
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
187 cathepsin B.
189 <400> SEQUENCE: 12
191 Gly Gly Gly Gly Phe Lys Phe Lys
192 1 5
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 10
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
202 cathepsin B.
204 <400> SEQUENCE: 13
206 Gly Gly Gly Gly Gly Phe Lys Phe Lys
207 1 5 10
210 <210> SEQ ID NO: 14
211 <211> LENGTH: 11
212 <212> TYPE: PRT
213 <213> ORGANISM: Artificial
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/009,854B

DATE: 02/08/2006
TIME: 12:37:04

Input Set : A:\K 2892 Jan06.ST25.txt
Output Set: N:\CRF4\02082006\J009854B.raw

217 cathepsin B.
219 <400> SEQUENCE: 14
221 Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
222 1 5 10
225 <210> SEQ ID NO: 15
226 <211> LENGTH: 12
227 <212> TYPE: PRT
228 <213> ORGANISM: Artificial
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
232 cathepsin B.
234 <400> SEQUENCE: 15
236 Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
237 1 5 10
240 <210> SEQ ID NO: 16
241 <211> LENGTH: 13
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
247 cathepsin B.
249 <400> SEQUENCE: 16
251 Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
252 1 5 10
255 <210> SEQ ID NO: 17
256 <211> LENGTH: 14
257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
262 cathepsin B.
264 <400> SEQUENCE: 17
266 Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
267 1 5 10
270 <210> SEQ ID NO: 18
271 <211> LENGTH: 15
272 <212> TYPE: PRT
273 <213> ORGANISM: Artificial
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
277 cathepsin B.
279 <400> SEQUENCE: 18
281 Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
282 1 5 10 15
285 <210> SEQ ID NO: 19
286 <211> LENGTH: 16
287 <212> TYPE: PRT
288 <213> ORGANISM: Artificial
290 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 02/08/2006
PATENT APPLICATION: US/10/009,854B TIME: 12:37:04

Input Set : A:\K 2892 Jan06.ST25.txt
Output Set: N:\CRF4\02082006\J009854B.raw

291 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
292 cathepsin B.
294 <400> SEQUENCE: 19
296 Gly Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe Lys
297 1 5 10 15
300 <210> SEQ ID NO: 20
301 <211> LENGTH: 17
302 <212> TYPE: PRT
303 <213> ORGANISM: Artificial
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
307 cathepsin B.
309 <400> SEQUENCE: 20
311 Gly Gly Gly Gly Gly Gly Gly Gly Gly Phe Lys Phe
312 1 5 10 15
315 Lys
319 <210> SEQ ID NO: 21
320 <211> LENGTH: 18
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
326 cathepsin B.
328 <400> SEQUENCE: 21
330 Gly Phe Lys
331 1 5 10 15
334 Phe Lys
338 <210> SEQ ID NO: 22
339 <211> LENGTH: 19
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
345 cathepsin B.
347 <400> SEQUENCE: 22
349 Gly Phe
350 1 5 10 15
353 Lys Phe Lys
357 <210> SEQ ID NO: 23
358 <211> LENGTH: 20
359 <212> TYPE: PRT
360 <213> ORGANISM: Artificial
362 <220> FEATURE:
363 <223> OTHER INFORMATION: Peptide containing several repetitive cleavage sites for
364 cathepsin B.
366 <400> SEQUENCE: 23
368 Gly
369 1 5 10 15
372 Phe Lys Phe Lys

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/08/2006
PATENT APPLICATION: US/10/009,854B TIME: 12:37:05

Input Set : A:\K 2892 Jan06.ST25.txt
Output Set: N:\CRF4\02082006\J009854B.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/009,854B

DATE: 02/08/2006

TIME: 12:37:05

Input Set : A:\K 2892 Jan06.ST25.txt

Output Set: N:\CRF4\02082006\J009854B.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date